

Technical Note

Changes in US Conec Single-mode MTP Connectors



Title: TN22
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This technical note covers the changes carried out by US Conec to their Single-mode MTP Connectors in the second half of 2014.

Change to APC (angled physical contact) Polish for US Conec MTP Single-mode connectors

In June 18, 2014 – US Conec, a global leader in the design and development of high-density optical interconnections, announced the immediate availability of single-mode pre-angled thermoplastic MT ferrules. The unique pre-angled design eliminates a polishing fixture, minimizing the polishing time during the production process, all while improving the overall performance of the MT ferrule.

At the same time they also announced they would be phasing out support of PC (physical contact) for single-mode applications. As of September 2014 we could no longer source PC ferrules for single-mode MTP connectors.

The 8 degree APC polish on single mode MTP connectors has improved the overall performance of the connector as well as providing a route for other future enhancements in performance.

What this means.

As of October 2014 Excel Networking will only be supplying APC MTP connectors for all Single-mode applications, this includes, Trunk Cables, MTP Patch/Equipment Leads, Cassettes and Fan-out assemblies.

All Single-mode part numbers will remain unchanged.

NOTE:

- This action will have no affect on any Multi-mode products or part numbers.
- Excel Networking only uses the low loss MTP Elite connector from US Conec in its systems.

This Technical Note has been produced by Paul Cave, Technical Manager – Infrastructure, on behalf of Excel

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Installation Guidelines Update – BS7671 Electrical Regulations, 17th Edition, Amendment 3 - 2015



422.2.1 In conditions BD2, BD3 or BD4 wiring systems shall not encroach on escape routes unless the wiring in the wiring system is provided with sheaths or enclosures, provided by the cable management system itself or by other means.

What this means.

Escape routes as defined within these regulations could be interpreted as any routes used by the occupants to get into and out of the building both in normal as well as emergency conditions. To avoid any confusion or risk this should therefore be considered as all corridors or passageways within buildings.

This is now of particular importance as it is common practice for these routes to also be used for the distribution of communication cables at high level.

Therefore effective from January 2015 any cables being run at high level shall now be supported by metallic supports along their full length when installed in these areas. This will include, cable tray, metal basket tray and metal 'J Hooks' the latter will be spaced at recognised regular intervals of every 1.5m.(5ft).

Amendments to Excel Installation Guidelines

The use of nylon and 'hook n loop' cable ties to retain communication cables from the underneath of cable or basket tray will not be acceptable.

The use of nylon or 'hook n loop' cable ties to suspend communications cables, irrespective of the quantity, from 'anchor systems' driven into the floor slab at high level will also not be acceptable

Finally, the use of Non-Metallic 'Anchor Systems' for supporting communications cables will not be acceptable.

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